

Chemical Properties of the Soils

Monroe County, Alabama

NOTE: Absence of an entry indicates that data were not estimated.

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
ArF:								
Arundel-----	0-5	---	---	3.6-5.5	---	---	0	---
	5-22	---	---	3.6-4.4	---	---	0	---
	22-60	---	---	---	---	---	0	---
AtA:								
Atmore-----	0-6	---	---	3.6-5.5	---	---	0	---
	6-50	---	---	3.6-5.5	---	---	0	---
	50-68	---	---	3.6-5.5	---	---	0	---
BaB:								
Bama-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-40	---	---	4.5-5.5	---	---	0	---
	40-60	---	---	4.5-5.5	---	---	0	---
BaC:								
Bama-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-40	---	---	4.5-5.5	---	---	0	---
	40-60	---	---	4.5-5.5	---	---	0	---
BbC:								
Bama-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-40	---	---	4.5-5.5	---	---	0	---
	40-60	---	---	4.5-5.5	---	---	0	---
Urban Land-----	0-6	---	---	---	---	---	0	---
BeB:								
Beatrice-----	0-3	---	---	3.6-6.0	0	0	0	0
	3-50	---	---	3.6-5.0	0	0	0	0
	50-72	---	---	---	---	---	---	---
BeC:								
Beatrice-----	0-3	---	---	3.6-6.0	0	0	0	0
	3-50	---	---	3.6-5.0	0	0	0	0
	50-72	---	---	---	---	---	---	---
BnB:								
Benndale-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-57	---	---	4.5-5.5	---	---	0	---
	57-64	---	---	4.5-5.5	---	---	0	---
BrA:								
Bibb-----	0-8	---	4.0-10	3.6-5.5	0	0	0	0
	8-60	---	4.0-10	3.6-5.5	0	0	0	0
BsB:								
Bigbee-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-80	---	---	4.5-6.0	---	---	0	---
CaA:								
Cahaba-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-50	---	---	4.5-6.0	---	---	0	---
	50-65	---	---	4.5-6.0	---	---	0	---

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
ChB:								
Chrysler-----	0-7	---	---	4.5-5.5	0	0	0	0
	7-72	---	---	4.5-5.5	0	0	0	0
	72-96	---	---	4.5-5.5	0	0	0	0
CnB:								
Congaree-----	0-6	6.0-15	---	4.5-7.3	0	0	0	0
	6-34	5.0-18	---	4.5-7.3	0	0	0	0
	34-60	---	---	---	---	---	---	---
ECA:								
Escambia-----	0-11	---	---	3.6-5.5	---	---	0	---
	11-42	---	---	3.6-5.5	---	---	0	---
	42-79	---	---	3.6-5.5	---	---	0	---
EsC:								
Esto-----	0-4	---	---	3.6-5.5	0	0	0	0
	4-10	---	---	3.6-5.5	0	0	0	0
	10-61	---	---	3.6-5.5	0	0	0	0
GdA:								
Grady-----	0-6	---	---	3.6-5.5	---	---	0	---
	6-13	---	---	3.6-5.5	---	---	0	---
	13-65	---	---	3.6-5.5	---	---	0	---
GrB:								
Greenville-----	0-6	---	4.0-10	4.5-6.0	0	0	0	0
	6-72	---	4.0-12	4.5-6.0	0	0	0	0
GrC:								
Greenville-----	0-6	---	4.0-10	4.5-6.0	0	0	0	0
	6-72	---	4.0-12	4.5-6.0	0	0	0	0
HaB:								
Halso-----	0-5	---	---	3.6-5.5	0	0	0	0
	5-31	---	---	3.6-5.5	0	0	0	0
	31-47	---	---	3.6-5.5	0	0	0	0
	47-60	---	---	---	---	---	---	---
HaC:								
Halso-----	0-5	---	---	3.6-5.5	0	0	0	0
	5-31	---	---	3.6-5.5	0	0	0	0
	31-47	---	---	3.6-5.5	0	0	0	0
	47-60	---	---	---	---	---	---	---
ImA:								
Iuka-----	0-5	---	---	5.1-6.0	---	---	0	---
	5-30	---	---	4.5-5.5	---	---	0	---
	30-66	---	---	4.5-5.5	---	---	0	---
Mantachie-----	0-3	---	---	4.5-5.5	---	---	0	---
	3-66	---	---	4.5-5.5	---	---	0	---
IrB:								
Izagora-----	0-12	---	---	3.6-6.0	---	---	0	---
	12-35	---	---	3.6-5.5	---	---	0	---
	35-63	---	---	3.6-5.5	---	---	0	---
LaA:								
Lenoir-----	0-4	---	---	3.6-5.5	---	---	0	---
	4-66	---	---	3.6-5.5	---	---	0	---
LcA:								
Lucedale-----	0-8	---	---	5.1-6.5	---	---	0	---
	8-80	---	---	4.5-5.5	---	---	0	---

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
LcB:								
Lucedale-----	0-8	---	---	5.1-6.5	---	---	0	---
	8-80	---	---	4.5-5.5	---	---	0	---
LnB:								
Lucy-----	0-25	---	---	5.1-6.0	---	---	0	---
	25-34	---	---	4.5-5.5	---	---	0	---
	34-66	---	---	4.5-5.5	---	---	0	---
LnC:								
Lucy-----	0-25	---	---	5.1-6.0	---	---	0	---
	25-34	---	---	4.5-5.5	---	---	0	---
	34-66	---	---	4.5-5.5	---	---	0	---
LtE:								
Lucy-----	0-25	---	---	5.1-6.0	---	---	0	---
	25-34	---	---	4.5-5.5	---	---	0	---
	34-66	---	---	4.5-5.5	---	---	0	---
Troup-----	0-62	---	---	4.5-6.0	---	---	0	---
	62-85	---	---	4.5-5.5	---	---	0	---
LvC:								
Luverne-----	0-4	---	---	3.6-5.5	---	---	0	---
	4-26	---	---	3.6-5.5	---	---	0	---
	26-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
LvE:								
Luverne-----	0-4	---	---	3.6-5.5	---	---	0	---
	4-26	---	---	3.6-5.5	---	---	0	---
	26-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
MaA:								
Malbis-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-33	---	---	4.5-5.5	---	---	0	---
	33-43	---	---	4.5-5.5	---	---	0	---
	43-72	---	---	4.5-5.5	---	---	0	---
MaB:								
Malbis-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-33	---	---	4.5-5.5	---	---	0	---
	33-43	---	---	4.5-5.5	---	---	0	---
	43-72	---	---	4.5-5.5	---	---	0	---
MaC:								
Malbis-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-33	---	---	4.5-5.5	---	---	0	---
	33-43	---	---	4.5-5.5	---	---	0	---
	43-72	---	---	4.5-5.5	---	---	0	---
PoA:								
Poarch-----	0-4	---	---	4.5-5.5	---	---	0	---
	4-34	---	---	4.5-5.5	---	---	0	---
	34-72	---	---	4.5-5.5	---	---	0	---
PrD:								
Prim-----	0-9	---	---	7.4-8.4	---	0	0	0
	9-60	---	---	---	---	---	---	---
SfC:								
Saffell-----	0-10	---	5.0-15	4.5-5.5	0	0	0	0
	10-14	---	5.0-20	4.5-5.5	0	0	0	0
	14-35	---	10-20	4.5-5.5	0	0	0	0
	35-60	---	5.0-15	4.5-5.5	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SfD:								
Saffell-----	0-10	---	5.0-15	4.5-5.5	0	0	0	0
	10-14	---	5.0-20	4.5-5.5	0	0	0	0
	14-35	---	10-20	4.5-5.5	0	0	0	0
	35-60	---	5.0-15	4.5-5.5	0	0	0	0
SgF:								
Saffell-----	0-10	---	5.0-15	4.5-5.5	0	0	0	0
	10-14	---	5.0-20	4.5-5.5	0	0	0	0
	14-35	---	10-20	4.5-5.5	0	0	0	0
	35-60	---	5.0-15	4.5-5.5	0	0	0	0
Lucy-----	0-25	---	---	5.1-6.0	---	---	0	---
	25-34	---	---	4.5-5.5	---	---	0	---
	34-60	---	---	4.5-5.5	---	---	0	---
SmA:								
Smithton-----	0-5	---	2.0-10	4.5-5.5	0	0	0	0
	5-38	---	2.0-10	4.5-5.5	0	0	0	0
	38-42	---	5.0-25	4.5-5.5	0	0	0	0
	42-72	---	2.0-20	4.5-5.5	0	0	0	0
StA:								
Stough-----	0-25	---	---	4.5-5.5	---	---	0	---
	25-32	---	---	4.5-5.5	---	---	0	---
	32-67	---	---	4.5-5.5	---	---	0	---
UdC:								
Udorthents-----	---	---	---	---	---	---	---	---
UnA:								
Una-----	0-2	---	---	4.5-5.5	---	---	0	---
	2-72	---	---	4.5-5.5	---	---	0	---
UrA:								
Urbo-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-66	---	---	4.5-5.5	---	---	0	---